

# **Fast Flux Test Facility Closure Project**

## **A. C. Crawford, Project Director/(509) 376-5457**

---

*FFTF Closure Work scope --  
Removal of Nitrogen Dewar*



*Plutonium Recycle Test Reactor  
--309 Building*



*NE Legacies --  
337 High Bay*



## **INTRODUCTION**

The mission of the Fast Flux Test Facility (FFTF) Closure Project, PBS RL-CP04, is to deactivate and decommission the FFTF facility. The FFTF Closure Project was directed on November 8, 2002 to stop decommissioning activities and maintain the FFTF in the condition existing at that time. This action was taken by RL as the result of a legal suit brought by Benton County in Federal Court. The staff has suspended actions for secondary sodium drain and other equipment removal activities. In the near term, efforts are directed towards restoring the fuel handling and washing systems that have been under long-term maintenance and modification.

The Advanced Reactor Transition (ART) Program, PBS RL-RC03, consists of the Nuclear Energy (NE) Legacies and the 309 Building/Plutonium Recycle Test Reactor (PRTR) activities. A change request has been provided to RL to retain the 309 Building/PRTR scope until April 30, 2003, at which time it will transfer into a pending contract for the River Corridor work scope.

NOTE: Unless otherwise noted, all information contained herein is as of the end of January 2003.

## **NOTABLE ACCOMPLISHMENTS**

### **FFTF Closure Project/CP04**

**Sodium Removal System (SRS):** The Core Component Grapple for the Closed Loop Ex-Vessel Machine (CLEM) was remotely assembled in the Interim Examination and Maintenance (IEM) cell following completion of washing to remove sodium deposits. A system leak check was completed on the SRS and an abbreviated wash/dry cycle was performed to validate recent changes made to operating procedures and software.

**Closed Loop Ex-Vessel Machine (CLEM):** The CLEM was used during the past month to retrieve its recently-cleaned long grapple. The grapple was successfully picked up from the IEM cell and tested. Trend data confirms that grapple is now functioning significantly better than it was prior to the cleaning.

**Solid Waste Casks (SWC):** The majority of new and modified hardware has been received. Assembly of the SWC Main Hoist and modification of the Gas Control System commenced in January. Electrical Control Console modifications continued.

**Removal of X-12 Transformer:** Preparations were completed for draining and removal of polychlorinated biphenyl transformer X-12.

### **ART Program/RC03**

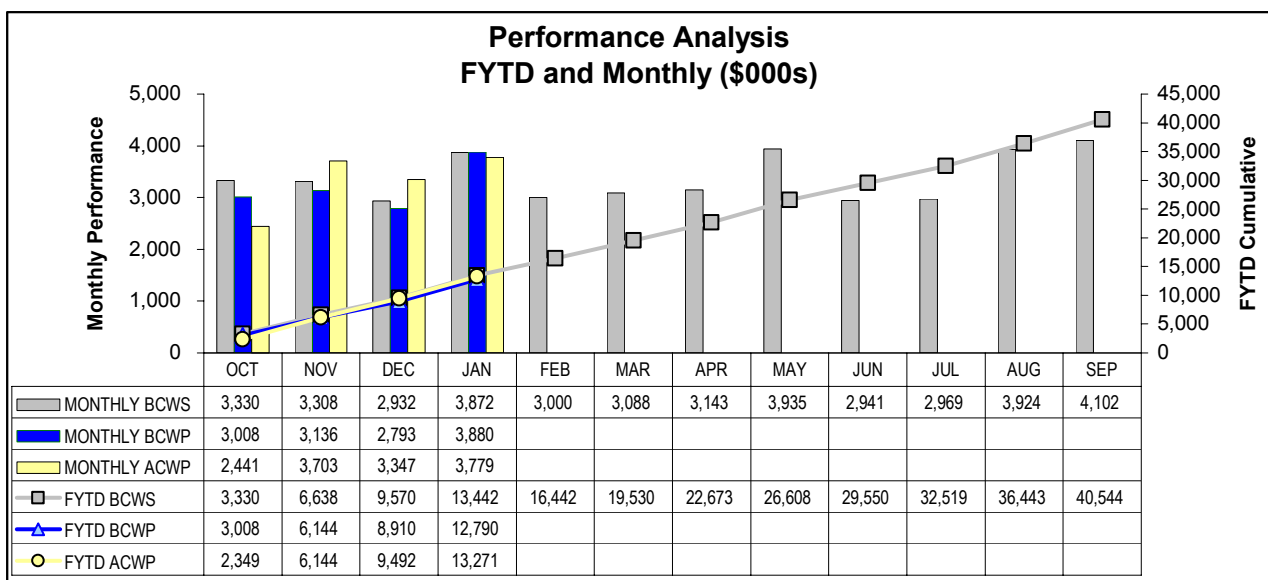
**NE Legacies Deactivation:** Questions from prospective vendors for cleaning sodium residues from the 3718-M and Composite Reactor Component Test Activity (CRCTA) tanks were received; answers were provided to all prospective bidders. The bid due date is March 3, 2003, with contract award planned for mid-April. Work continues on preparing the tanks to accept the vendor's equipment.

## FY03 SCHEDULE/COST PERFORMANCE (\$000)

**Schedule Performance:** The FYTD schedule variances (-\$652K for FFTF and -\$0K for ART) are within established thresholds (+/- 10% and \$1M); therefore no explanation is required.

**Cost Performance:** The FYTD cost variances (-\$328K for FFTF and -\$152K for ART) are within established thresholds (+/- 10% and \$1M); therefore no explanation is required.

		FYTD								
By PBS		BCWS	BCWP	ACWP	SV	%	CV	%	BAC	
<b>FH Managed</b>										
PBS CP04	FFTF									
WBS		\$ 13,197	\$ 12,546	\$ 12,874	\$ (652)	-5%	\$ (328)	-3%	\$ 38,429	
2.1.1.1.21										
PBS RC03	Advanced									
WBS 3.1.3	Reactors	\$ 245	\$ 244	\$ 397	\$ (0)	0%	\$ (152)	-62%	\$ 2,115	
	Transition									
<b>Total</b>		\$ 13,442	\$ 12,790	\$ 13,271	\$ (652)	-5%	\$ (481)	-4%	\$ 40,544	



## MILESTONE ACHIEVEMENT

Tentative Tri-Party Agreement milestones for FFTF deactivation have been negotiated between RL, Washington State Department of Ecology, and the U.S. Environmental Protection Agency. Subject to appropriate public comment and revision, finalization of milestones is anticipated after the litigation is resolved.

## **FY 2003 FH FUNDS VS FORECAST (\$000)**

	<b>Expected Funds</b>	<b>Spend Forecast</b>	<b>Variance</b>
<b>2.1.1.1.2</b> Fast Flux Test Facility RL-CP04	\$ 38,448	\$ 38,448	\$ 0
<b>3.1.3</b> Advanced Reactor Transition RL-RC03	\$ 2,124	\$ 1,903	\$ 221
<b>Total</b>	<b>40,572</b>	<b>40,351</b>	221

## **ISSUES**

**FFTF Shutdown Delay until March 12, 2003:** Further activities to dismantle the FFTF are on hold until March 2003 due to pending litigation from Benton County against RL.

There are no current ART issues.